

FIG. 1

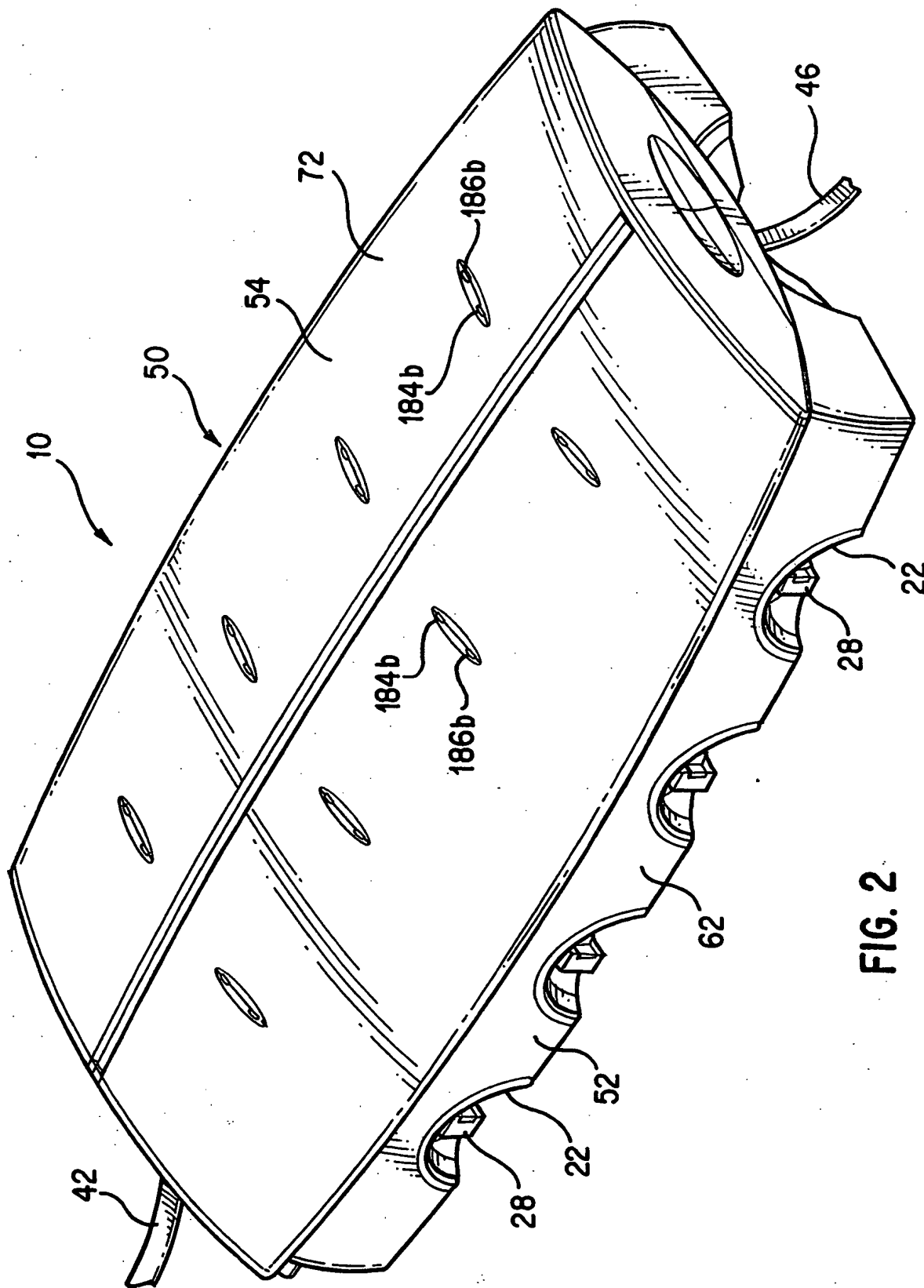
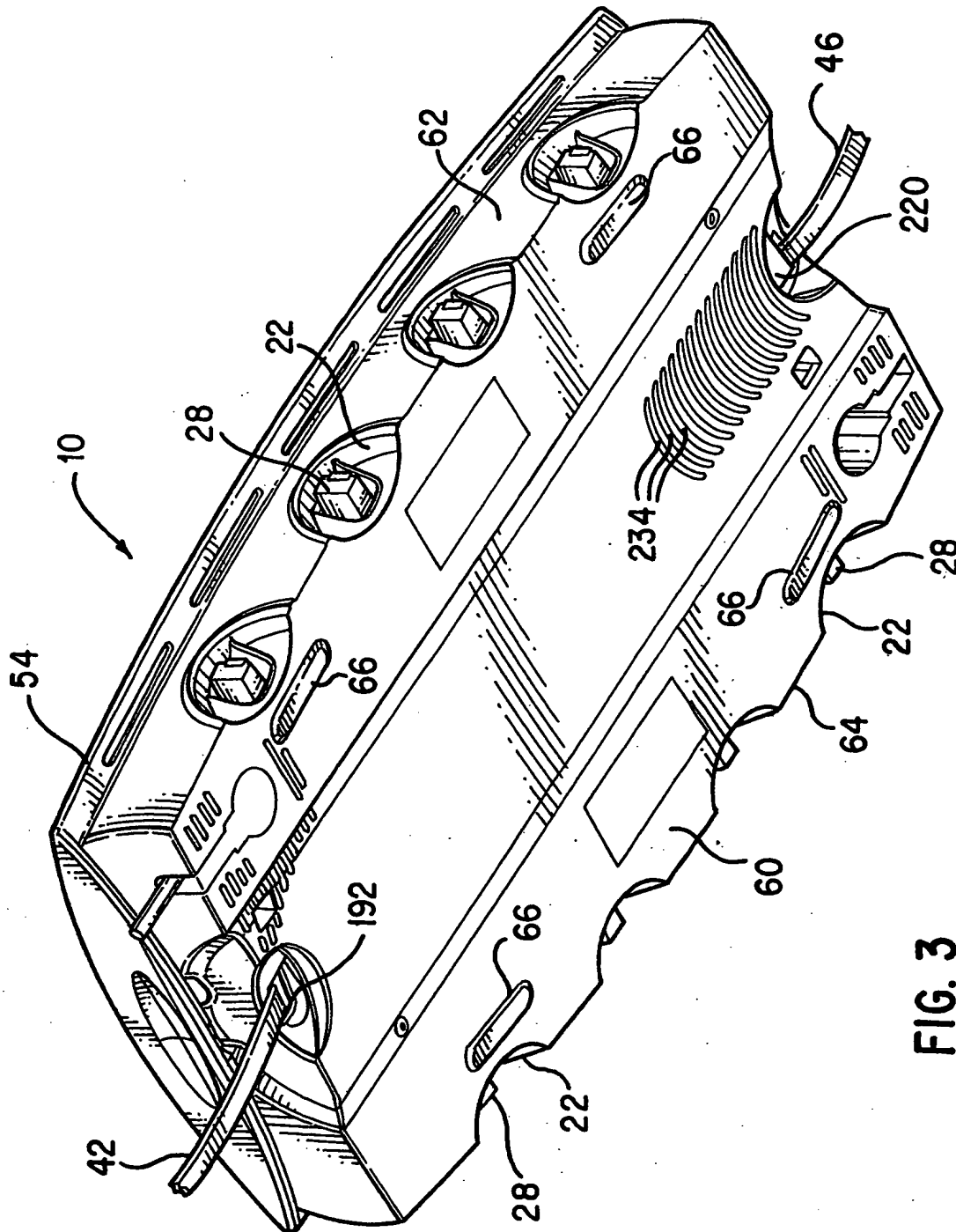


FIG. 2



**FIG. 3**

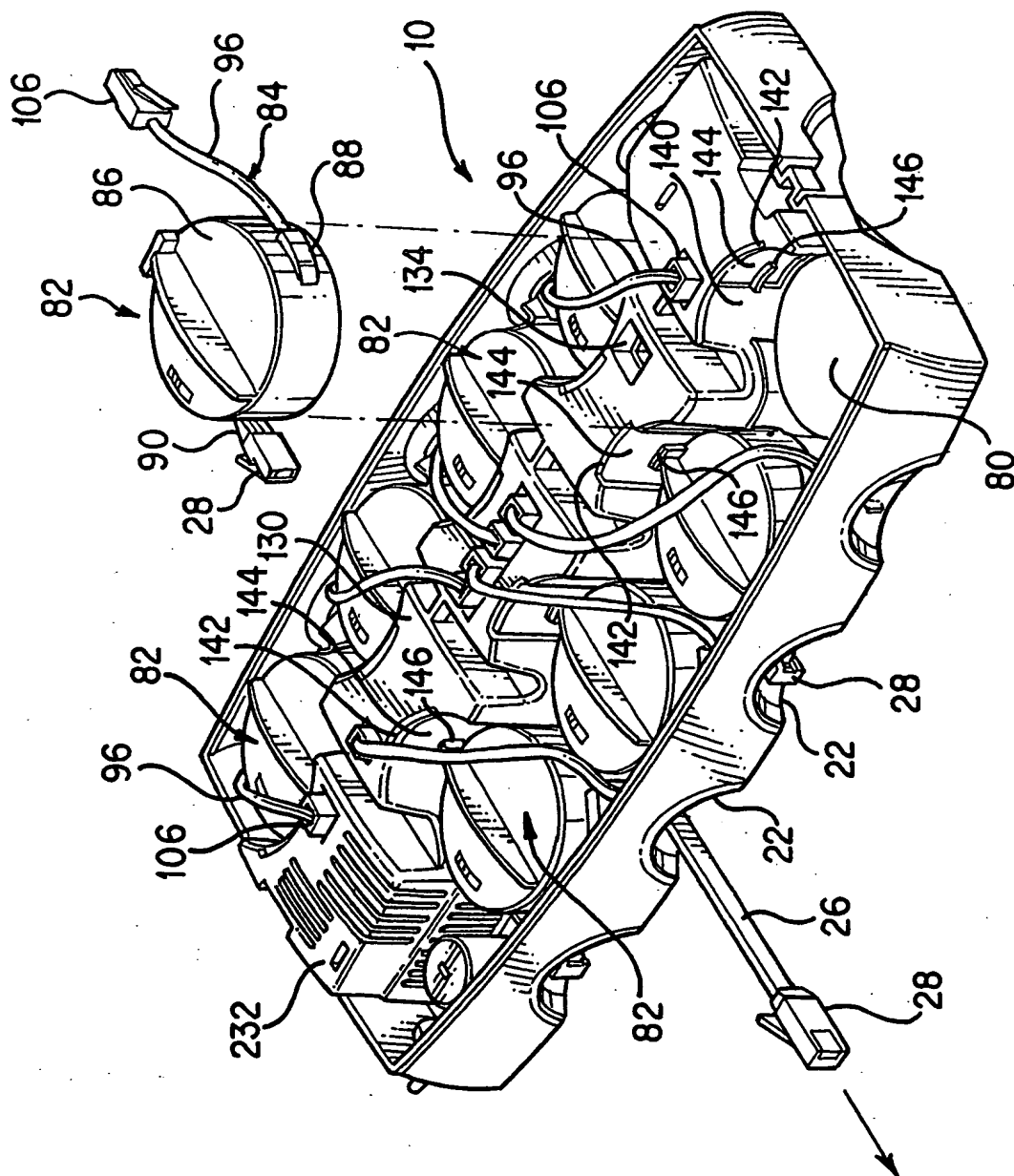


FIG. 4

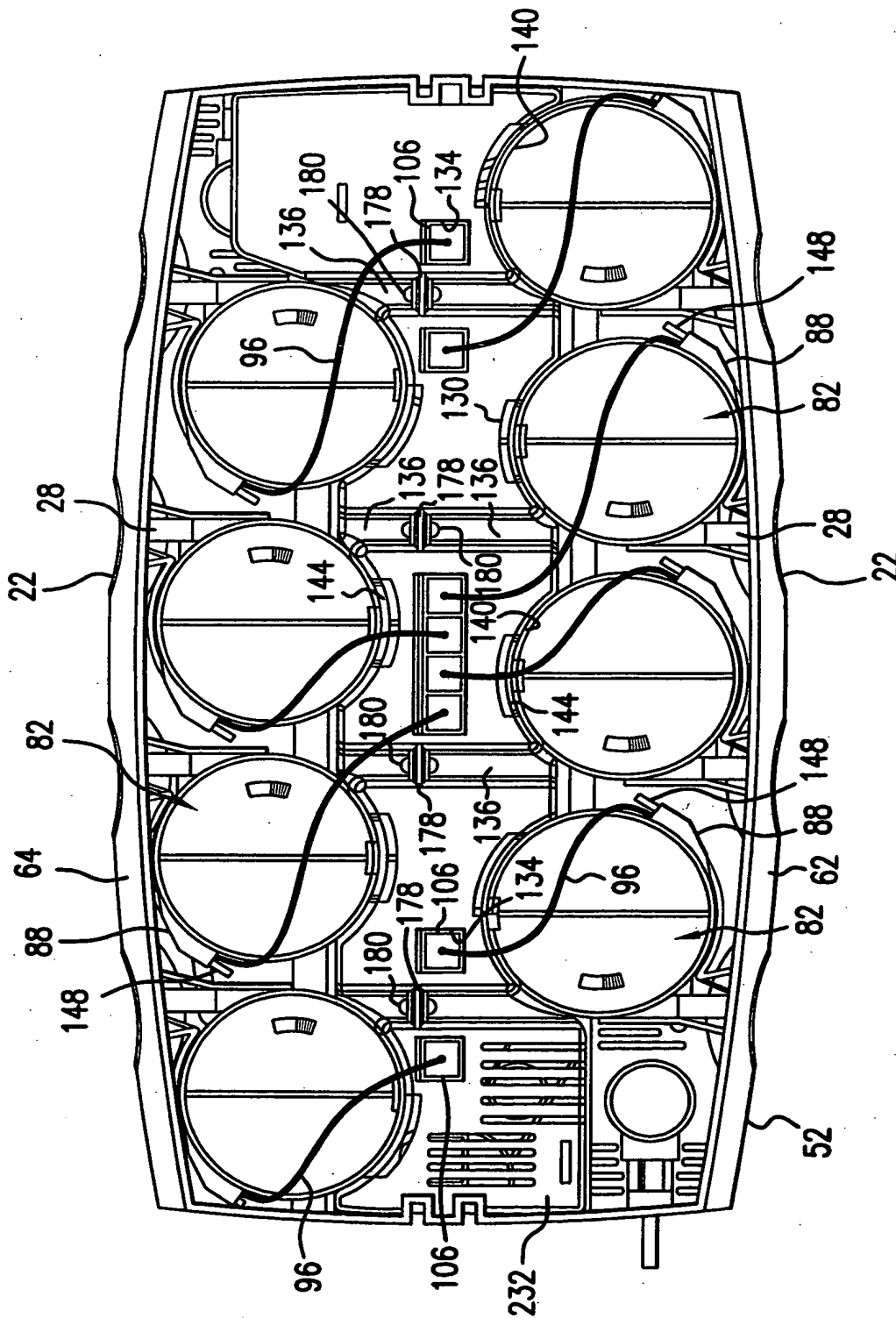


FIG. 5





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Title: Network Communications System

Inventors: Laity et al.

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Attorney Docket No: 42P12202

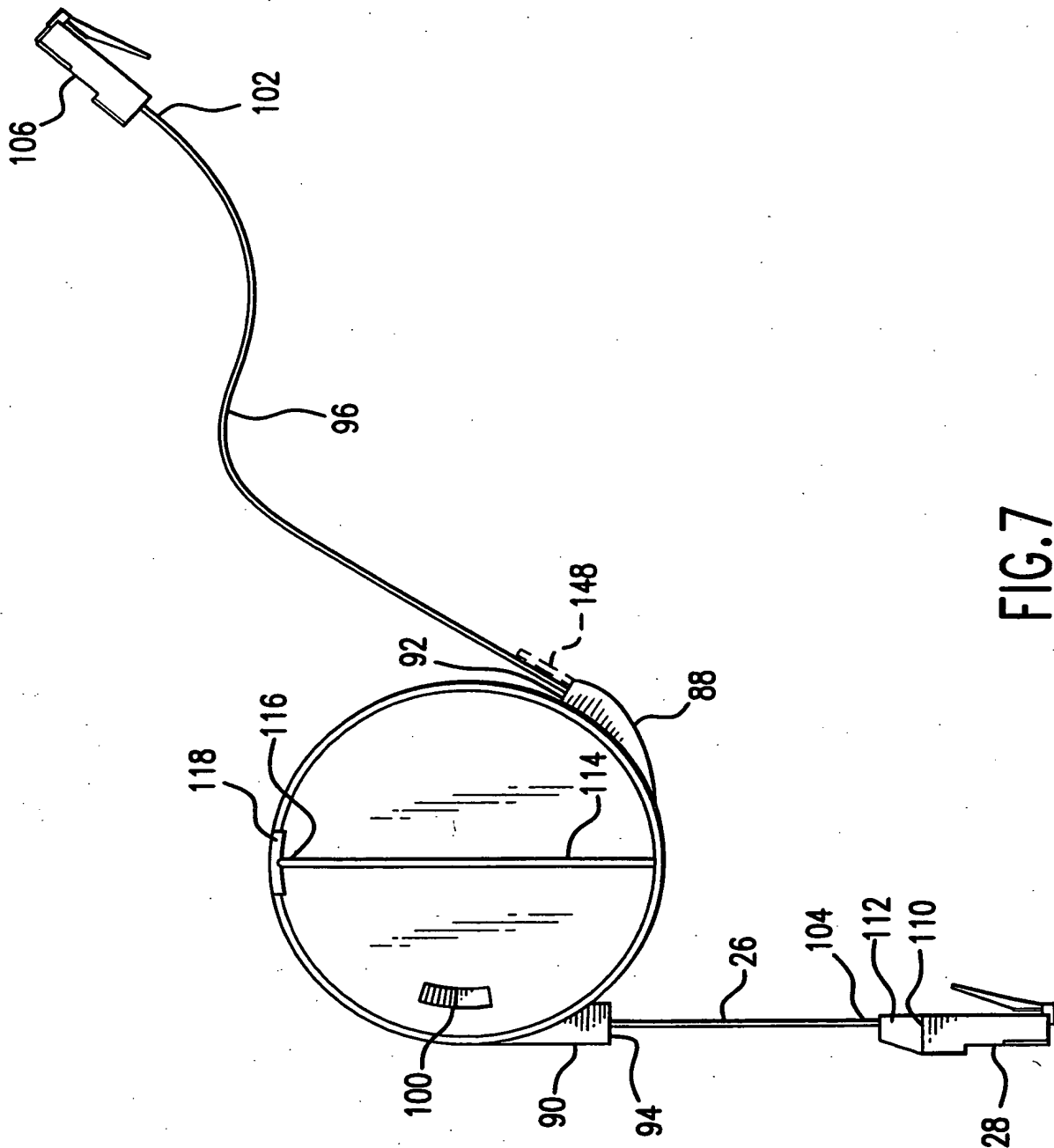
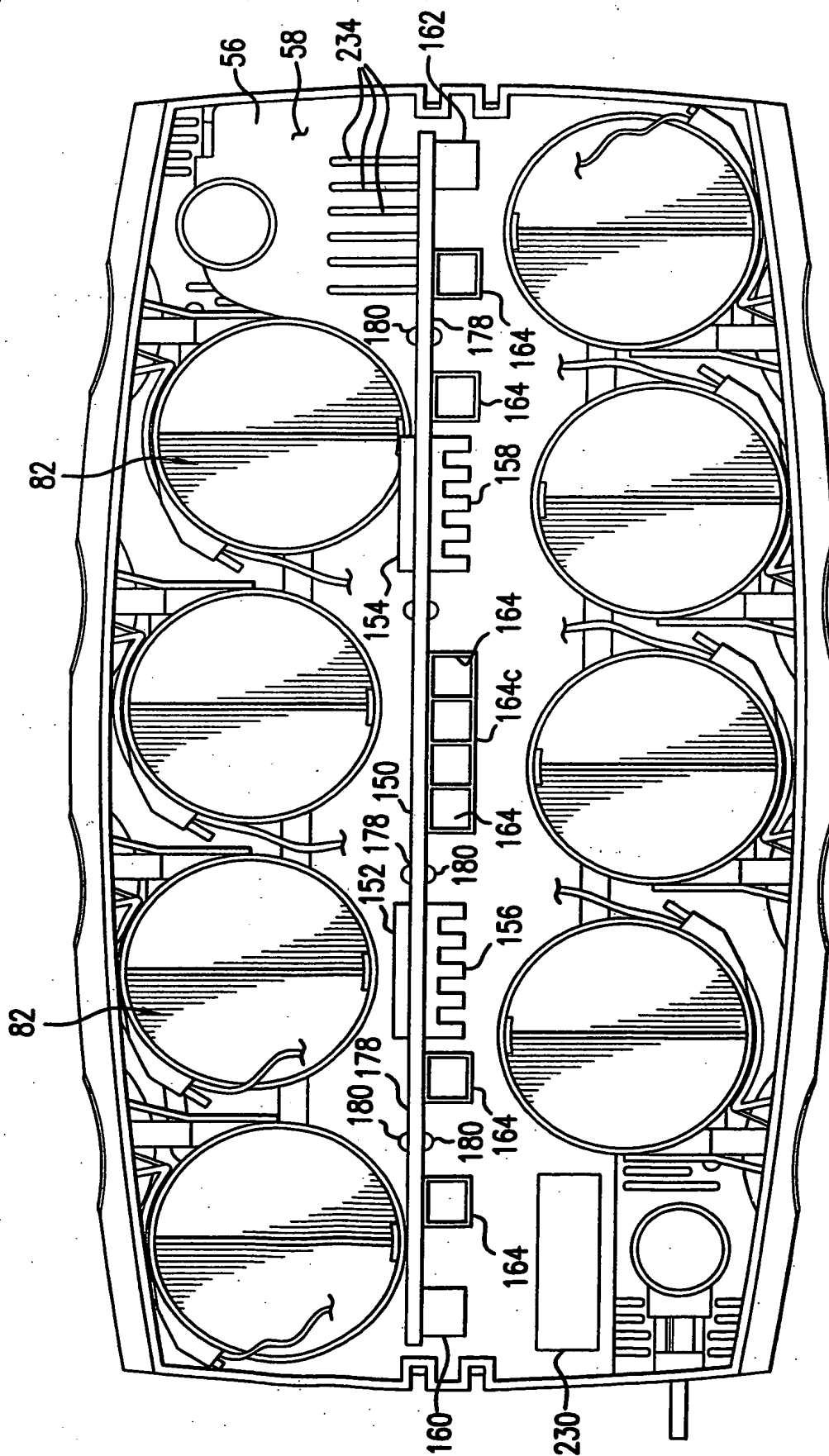


FIG. 7



**FIG. 8**

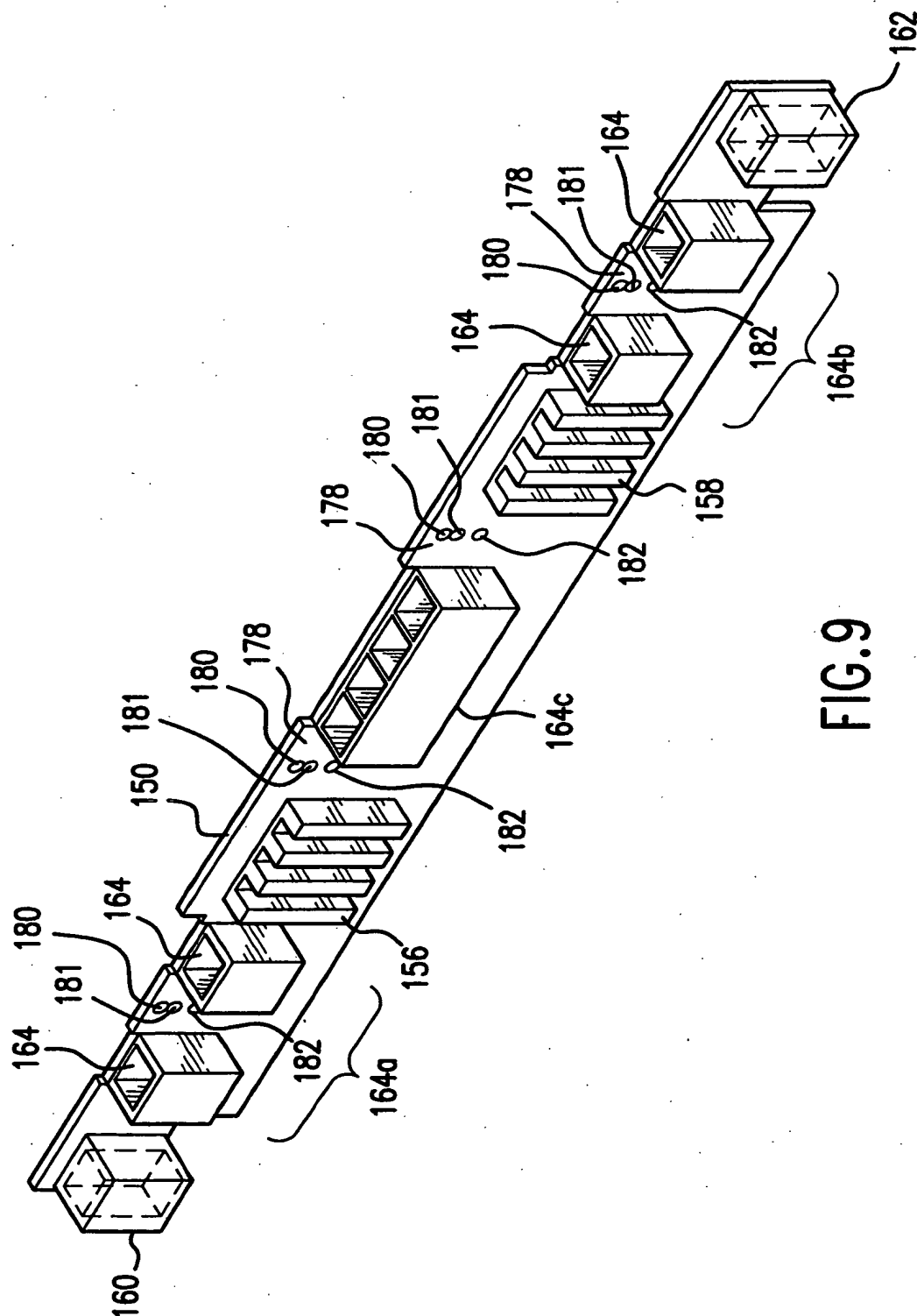


FIG. 9

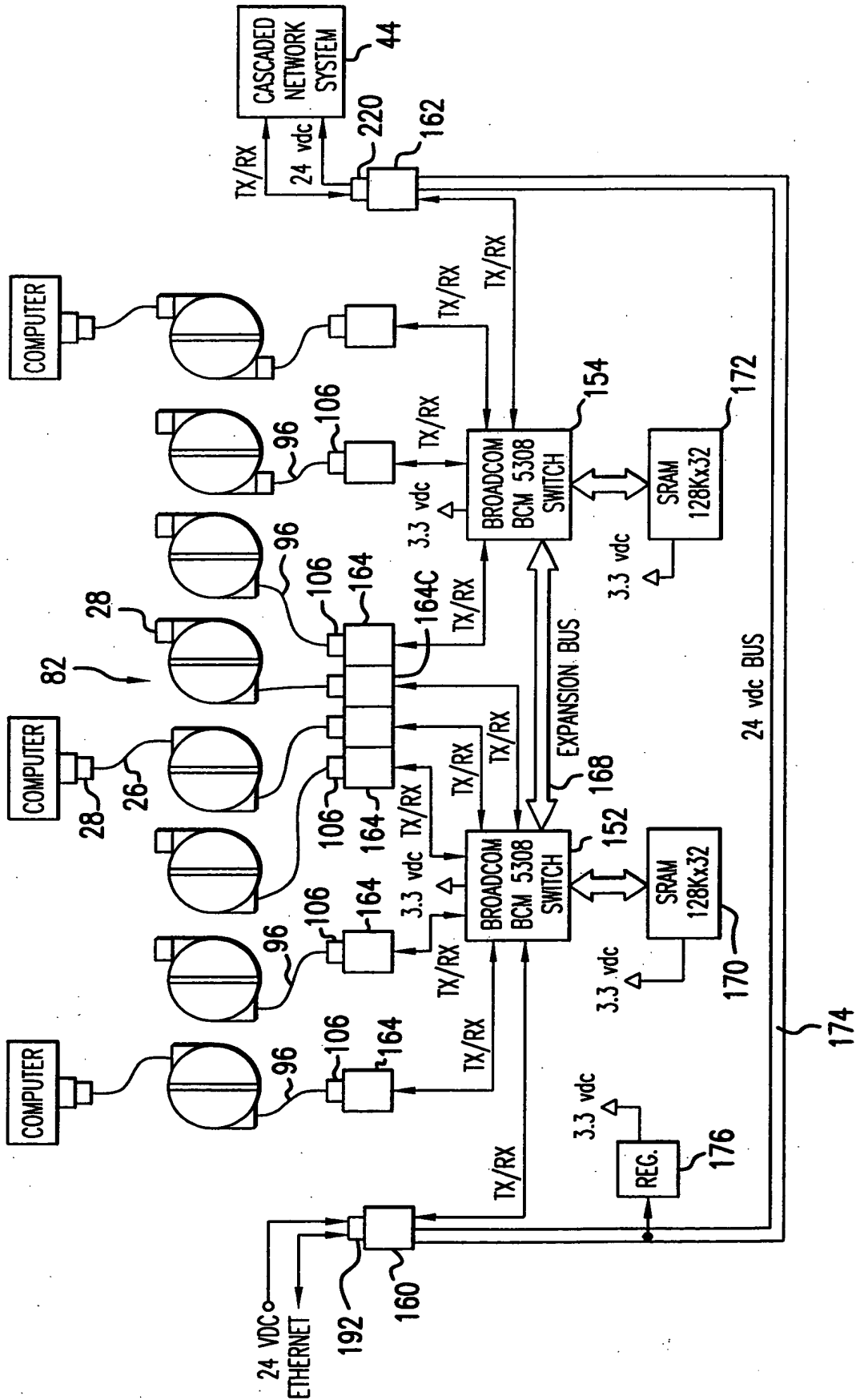


FIG.10



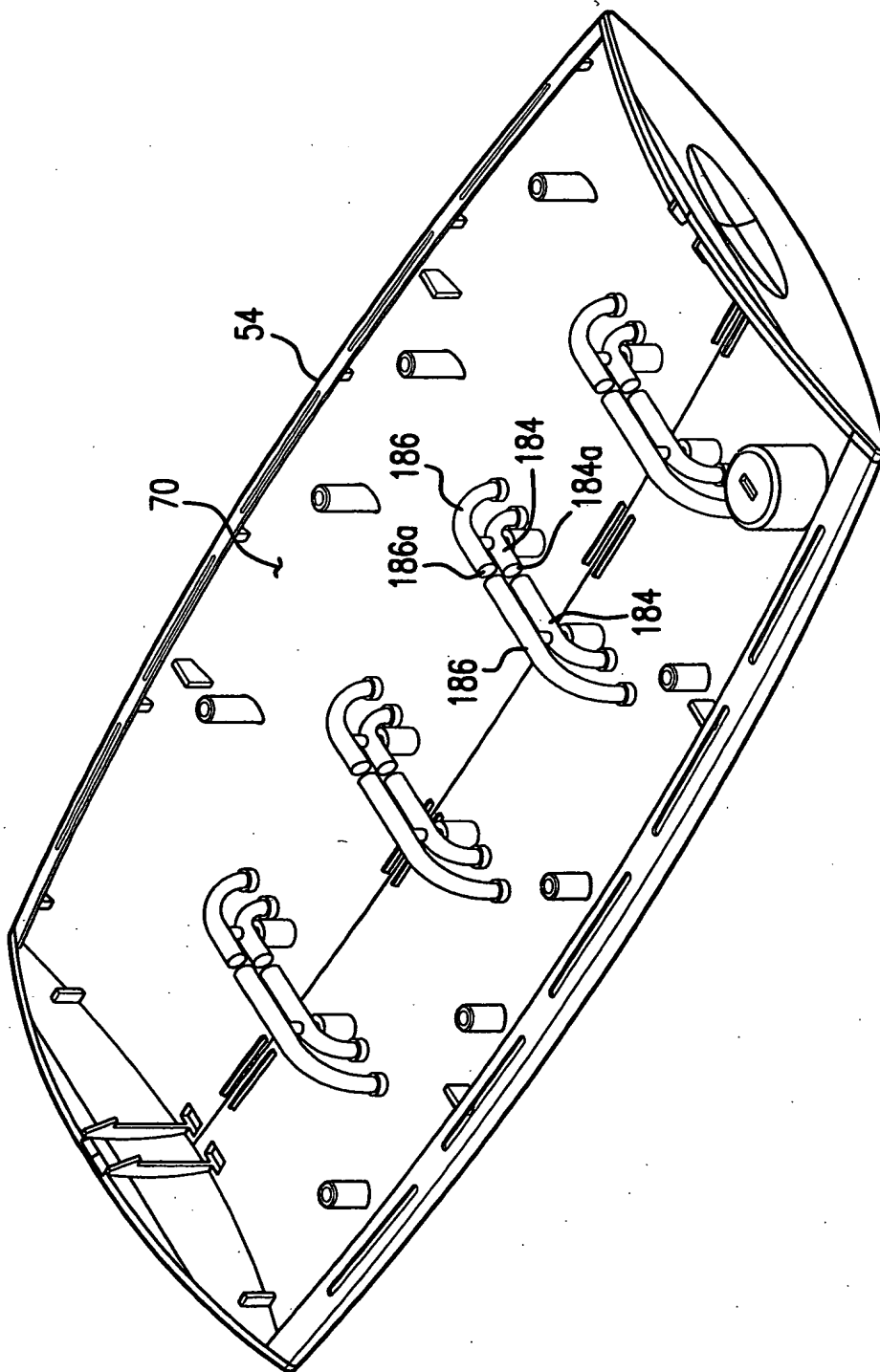
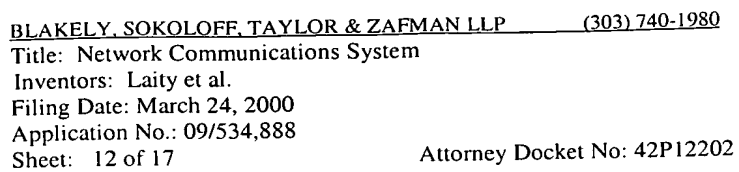


FIG. 11



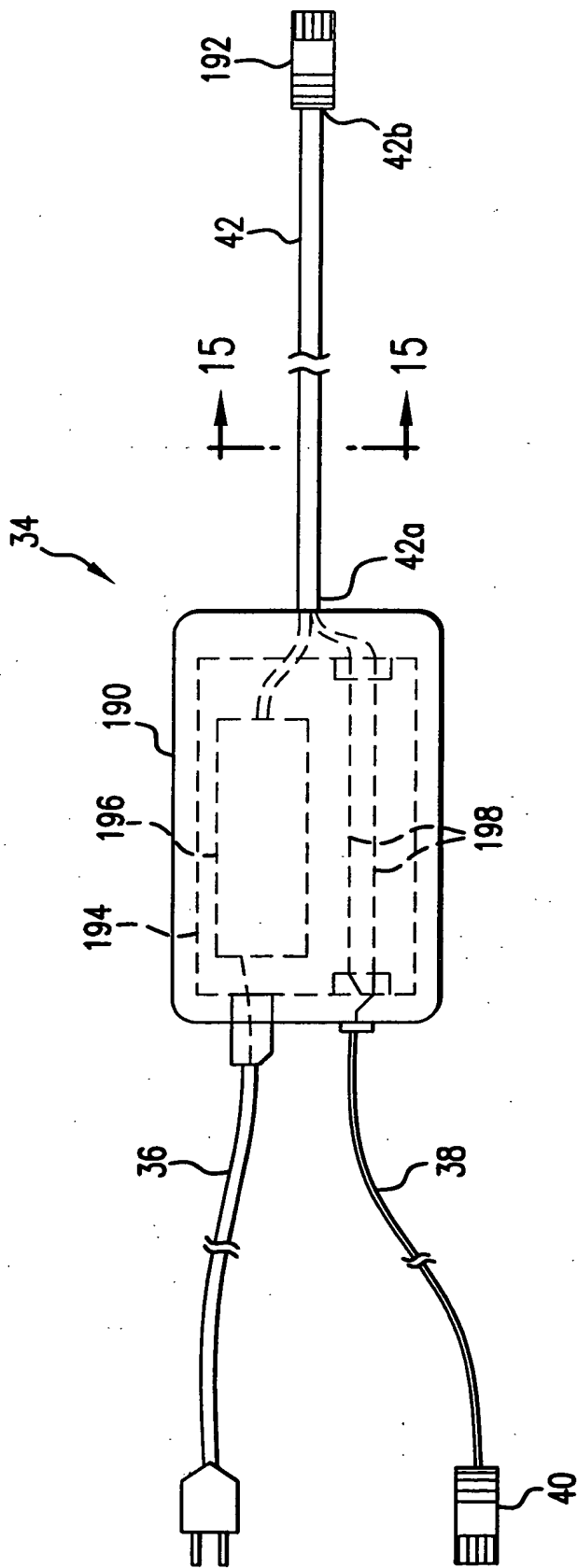


FIG. 13

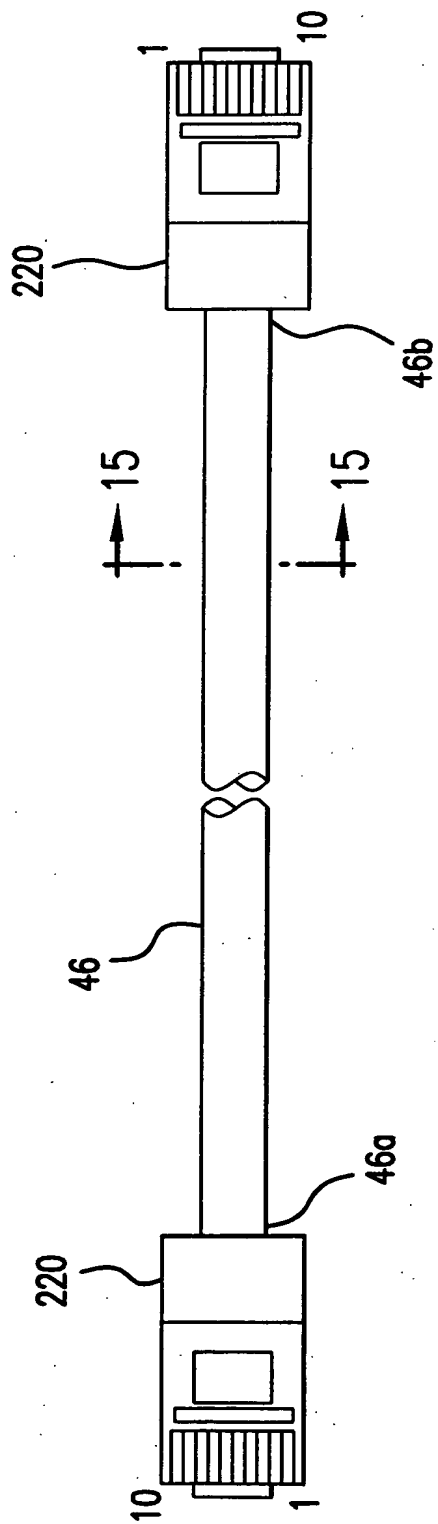


FIG. 14

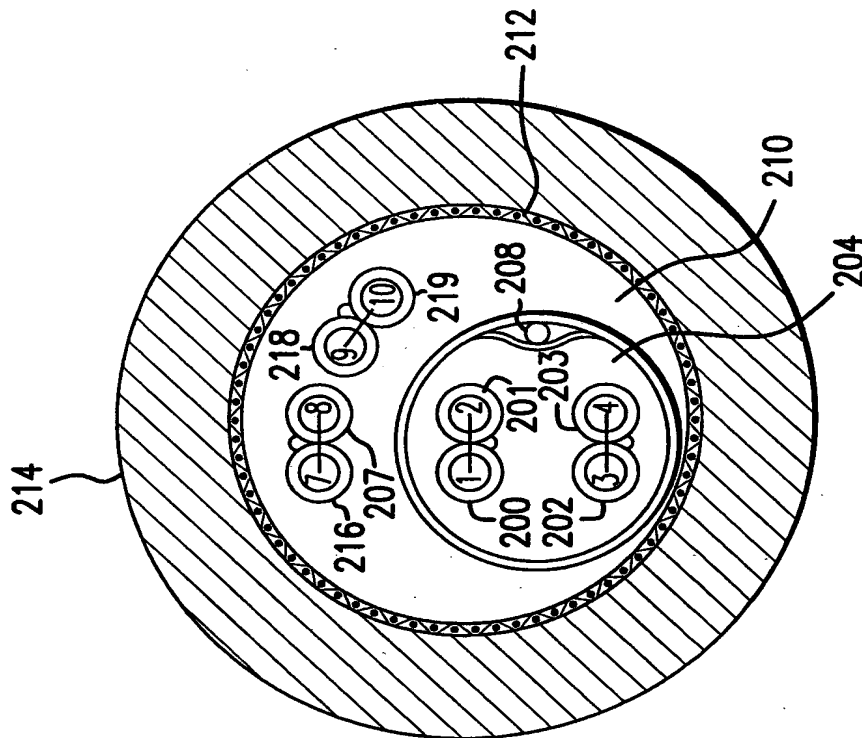


FIG. 15



RJ-45 PIN ASSIGNMENTS				
SIGNAL NAME	P1 PIN NO.	WIRE COLOR	P2 PIN NO.	SIGNAL NAME
24 V	10	ORANGE/WHITE	10	24 V
24 V	9	ORANGE	9	24 V
GND	8	BLUE/WHITE	8	GND
GND	7	BLUE	7	GND
N/C	6	N/C	6	N/C
N/C	5	N/C	5	N/C
RxN	4	BROWN/WHITE	2	TxN
RxP	3	BROWN	1	TxP
TxN	2	GREEN/WHITE	4	RxN
TxP	1	GREEN	3	RxP

FIG.16

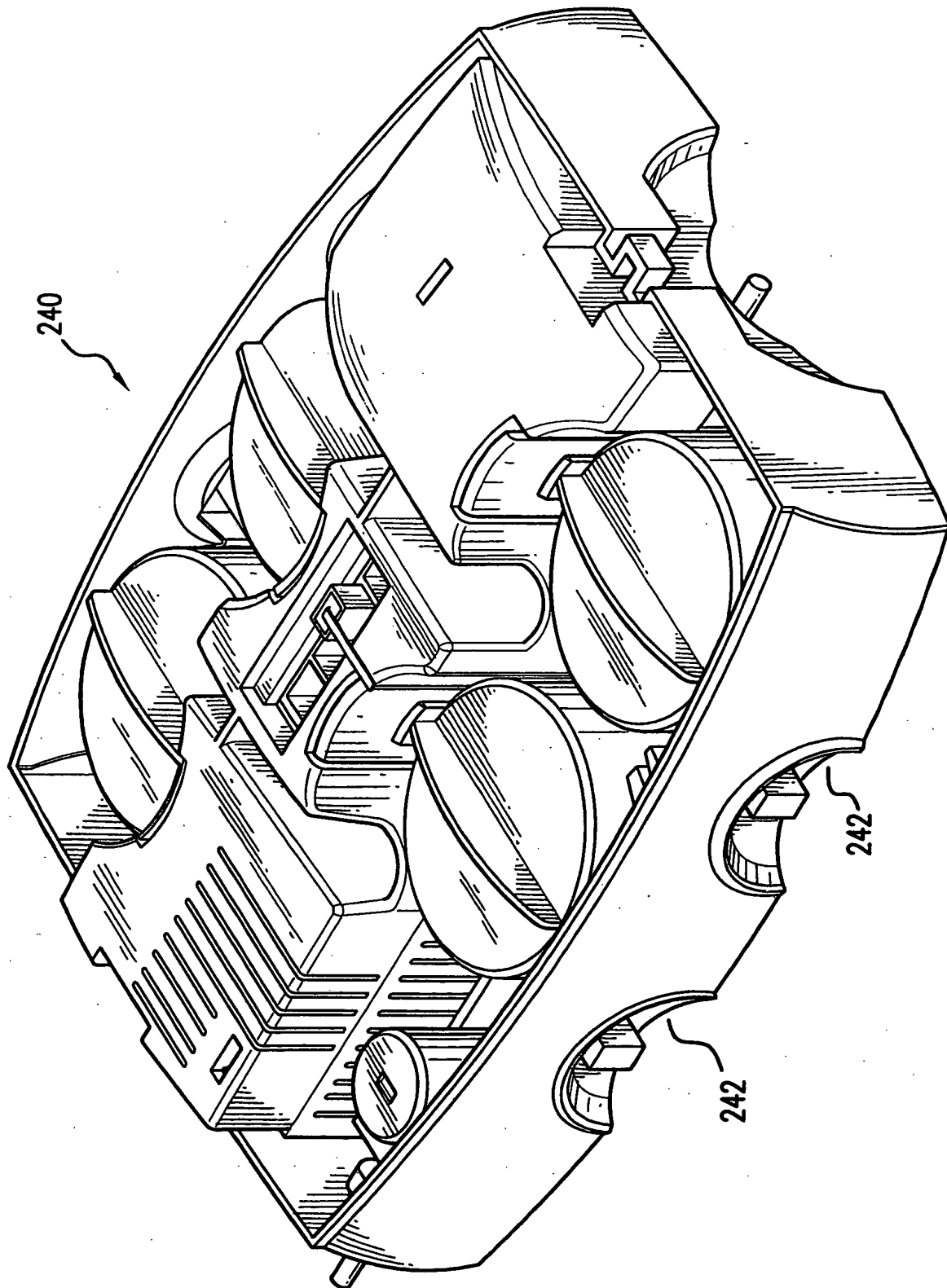


FIG. 17